

Complete work on attached pages. Record answers below.

## Practice 1-3 Evaluating Expressions

Evaluate each expression.

1.  $xy$ , for  $x = 3$  and  $y = 5$  \_\_\_\_\_
2.  $24 - p \cdot 5$ , for  $p = 4$  \_\_\_\_\_
3.  $5a + b$ , for  $a = 6$  and  $b = 3$  \_\_\_\_\_
4.  $6x$ , for  $x = 3$  \_\_\_\_\_
5.  $9 - k$ , for  $k = 2$  \_\_\_\_\_
6.  $63 \div p$ , for  $p = 7$  \_\_\_\_\_
7.  $2 + n$ , for  $n = 3$  \_\_\_\_\_
8.  $3m$ , for  $m = 11$  \_\_\_\_\_
9.  $10 - r + 5$ , for  $r = 9$  \_\_\_\_\_
10.  $m + n \div 6$ , for  $m = 12$  and  $n = 18$  \_\_\_\_\_
11.  $1,221 \div x$ , for  $x = 37$  \_\_\_\_\_
12.  $10 - x$ , for  $x = 3$  \_\_\_\_\_
13.  $4m + 3$ , for  $m = 5$  \_\_\_\_\_
14.  $35 - 3x$ , for  $x = 10$  \_\_\_\_\_
15.  $851 - p$ , for  $p = 215$  \_\_\_\_\_
16.  $18a - 9b$ , for  $a = 12$  and  $b = 15$  \_\_\_\_\_
17.  $3ab - c$ , for  $a = 4$ ,  $b = 2$ , and  $c = 5$  \_\_\_\_\_
18.  $\frac{ab}{2} + 4c$ , for  $a = 6$ ,  $b = 5$ , and  $c = 3$  \_\_\_\_\_
19.  $\frac{rst}{3}$ , for  $r = 9$ ,  $s = 2$ , and  $t = 4$  \_\_\_\_\_
20.  $x(y + 5) - z$ , for  $x = 3$ ,  $y = 2$ , and  $z = 7$  \_\_\_\_\_
21. Elliot is 58 years old.
  - a. Write an expression for the number of years by which Elliot's age exceeds that of his daughter, who is  $y$  years old. \_\_\_\_\_
  - b. If his daughter is 25, how much older is Elliot? \_\_\_\_\_
22. A tree grows 5 in. each year.
  - a. Write an expression for the tree's height after  $x$  years. \_\_\_\_\_
  - b. When the tree is 36 years old, how tall will it be? \_\_\_\_\_

Must show work on attached pages to receive credit.

ge #

Name

Date

1  
1.

2.

3.

4.

5.

6.

7.

8.

9.

10.

12.

14.

16

18

20

21. Let  $y =$  \_\_\_\_\_

Expression

Check

22. Let  $x =$  \_\_\_\_\_

Expression

Check